

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

Applicant Name: _____

Project Name: _____

ATTACHMENT C

Water Diversion Questionnaire

I. DIVERSION OR OBSTRUCTION

Please provide the additional information below **if** the project is directly related to any diversion, obstruction, extraction, or impoundment of the natural flow of a river, stream, or lake. If you have a current or expired Lake or Streambed Alteration Agreement (LSAA) for some activity related to your project, provide the LSAA number in your project description below.

- A. Attach plans of any diversion or water storage structure or facility that will be constructed or if no structures or facilities will be constructed, photographs of the project site, including any existing facilities or structures.
- B. Please complete the water use table below. For diversion rate, use gallons per day (gpd) if rate is less than 0.025 cubic foot per second (cfs) (approximately 16,000 gallons per day).

SEASON OF DIVERSION		PURPOSE OF USE	DIVERSION RATE (cfs or gpm)	AMOUNT USED (acre feet)	
BEGINNING DATE (Mo. & Day)	ENDING DATE (Mo. & Day)			FROM STORAGE	BY DIVERSION

- C. Attach a topographic map that is labeled to show the following:
1. Source of the water
 2. Points of diversion
 3. Areas of use
 4. Storage areas
- D. Specify the maximum instantaneous rate of withdrawal (using proposed equipment) in cubic feet per second (cfs) or gallons per minute (gpm): _____.

E. Check each box below that applies to the project water rights and attach supporting documents.

- ☐ Riparian. *Attach the most recent statement of riparian rights filed with the State Water Resources Control Board (SWRCB).*
- ☐ Diversion for immediate use
- ☐ Diversion to storage (for less than 30 days)

- ☐ Appropriative
 - ☐ Pre-1914
 - ☐ Post-1914. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by the SWRCB.*
 - ☐ Diversion for immediate use. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by the SWRCB.*
 - ☐ Diversion to storage. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by the SWRCB.*
 - ☐ Small domestic or livestock stockpond use. *Attach a copy of the applicant's registration of water use form filed with the SWRCB. (See Water Code section 1228 et seq.)*
- ☐ Purchased or contracted water. *Attach a copy of the applicant's contract or letter from the applicant's water provider.*
- ☐ Other. *Describe below or attach separate page.*

F. Approximate lowest level of flow in the river, stream, or lake at the point of diversion during the proposed season of diversion in gpm or cfs: _____.

G. Other information. After the Department reviews the project description, and based on the project's location and potential impacts to fish and wildlife resources, the Department will determine if additional information is needed to complete the notification. Such information could include more site-specific information to ensure that the terms and conditions in the Lake or Streambed Alteration Agreement issued to the applicant will be adequate to protect the fish and wildlife resources the diversion or obstruction could adversely affect. Site-specific information could include specific studies based on the season of diversion, the location of the diversion relative to other diversions in the watershed, the method of diversion, and the quantity of water to be diverted, such as the following:

1. *Water Availability Analysis* to determine if the water can be diverted without causing substantial adverse effects on downstream fish and wildlife resources. Water availability analyses are based on a comparison of flows without any diversions (unimpaired flows) and flows available when all known diversions are "subtracted" (impaired flows). The protocol for water availability analyses is available on request.
2. *Instream Flow Study* to determine the minimum bypass flows needed and maximum rates of withdrawal possible to provide adequate depths and velocities to protect habitat for all life stages of aquatic resources. The study plan, which must be prepared by a qualified fisheries biologist and approved by the Department, will determine the effects of the proposed diversion on flow depth and velocity.
3. *Water Quality Study* to assess the effects of the proposed water diversion or impoundment on water temperature and water quality at and downstream from the point of diversion.

II. PERMANENT OR TEMPORARY RESERVOIR

Please provide the information below *if* the project includes the construction of a reservoir, whether permanent or temporary, and/or the filling of a reservoir by diverting or obstructing the flow of a river, stream, or lake.

- A. Proposed use of the stored water: _____.
- B. Construction plans for the reservoir and dam. (*Attach plans*)
- C. A complete description of the reservoir and dam, including the methods and materials that will be used to construct the reservoir and dam and the following dimensions certified by a licensed professional: the width, length, depth, and total surface area of the reservoir pool; the volume of water in acre-feet that will be stored in the reservoir; and the height and length of the dam.
- D. The amount of riparian land that will be inundated (i.e., upstream from the dam): _____.
- E. Where vehicles will enter and exit the project site during construction and for maintenance purposes after construction. (*Attach map*)
- F. The maximum distance of the disturbance that will occur upstream and downstream during construction: _____.
- G. The methods that will be employed to ensure that the flow is maintained below the dam at all times when water is being diverted into the reservoir. _____

_____.
- H. Specify the time period when the area below the dam becomes dry, if at all. _____.

- I. The methods that will be employed to ensure that adult and juvenile fish will be able to pass over or around the dam. _____

_____.
- J. If a fish ladder is necessary to enable adult and juvenile fish to pass over or around the dam, provide construction plans and an operation plan for the fish ladder. *(Enclose, if applicable)*
- K. The methods that will be employed to monitor and maintain water quality (including temperature) within the reservoir. _____

_____.

III. TEMPORARY RESERVOIR

Please provide the information below **if** the project includes the construction of a temporary reservoir only within the stream zone.

- A. Date of dam installation: _____.
- B. Date of dam removal: _____.
- C. Amount of time it will take to construct the dam: _____.
- D. Amount of time it will take to remove the dam: _____.
- E. Methods to ensure that the reservoir pool will be drained in a manner that does not strand or otherwise harm fish: _____

_____.